PATENT COOPERA N TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents United States Patent and Trademark Office **Box PCT** Washington, D.C.20231 **ETATS-UNIS D'AMERIQUE**

Date of mailing (day/month/year) 04 September 2000 (04.09.00)

in its capacity as elected Office

International application No. PCT/US00/00794

International filing date (day/month/year)

13 January 2000 (13.01.00)

CM2000XM/JB Priority date (day/month/year)

Applicant's or agent's file reference

14 January 1999 (14.01.99)

Applicant

SHOWELL, Michael, Stanford et al

1.	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	04 August 2000 (04.08.00)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was -
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Antonia Muller

Telephone No.: (41-22) 338.83.38

Form PCT/IB/331 (July 1992)

Facsimile No.: (41-22) 740.14.35

US0000794

PATENT COOPERTION TREATY REC'D 1 7 JAN 2001

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's o	r agent's file reference	T	O New Year of Transition of
CM2000X		FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International	application No.	International filing date (day/month	//year) Priority date (day/month/year)
PCT/US00	/00794	13/01/2000	14/01/1999
International C11D3/38	Patent Classification (IPC) or na 6	ational classification and IPC	
Applicant		AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	
l ''	CTER & GAMBLE COMP	ANY et al.	
	ernational preliminary exam ransmitted to the applicant a		by this International Preliminary Examining Authority
2. This Ri	EPORT consists of a total of	f 6 sheets, including this cover sl	heet.
be	en amended and are the ba		ne description, claims and/or drawings which have containing rectifications made before this Authority ons under the PCT).
These	annexes consist of a total of	f sheets.	
3. This re	port contains indications rela	ating to the following items:	
ı	Basis of the report		
	☐ Priority		
III	☐ Non-establishment of o	opinion with regard to novelty, inv	ventive step and industrial applicability
IV	☐ Lack of unity of inventi	on	
V		inder Article 35(2) with regard to ons suporting such statement	novelty, inventive step or industrial applicability;
VI	☐ Certain documents cit	ed	
VII	☐ Certain defects in the i	international application	
VIII	☐ Certain observations of	on the international application	
Date of subm	nission of the demand	Date of	completion of this report
04/08/200	0	15.01.2	001
	ailing address of the internation xamining authority:	al Authoriz	zed officer
<u>j</u>	European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 52365	·	The state of the s
1	Fax: +49 89 2399 - 4465	Telepho	one No. +49 89 2399 2527

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/00794

l. Basis of th	ne repor	t
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1.	resp the	oonse to an invitatio	awn on the basis of (substitute sheets which have been furnished to the receiving Office in under Article 14 are referred to in this report as "originally filed" and are not annexed to not contain amendments (Rules 70.16 and 70.17).):
	1-94	1	as originally filed
	Clai	ims, No.:	
	1-1	1	as originally filed
2.			uage, all the elements marked above were available or furnished to this Authority in the nternational application was filed, unless otherwise indicated under this item.
	The	se elements were a	vailable or furnished to this Authority in the following language: , which is:
		the language of a t	ranslation furnished for the purposes of the international search (under Rule 23.1(b)).
		the language of pu	blication of the international application (under Rule 48.3(b)).
		the language of a t 55.2 and/or 55.3).	ranslation furnished for the purposes of international preliminary examination (under Rule
3.			leotide and/or amino acid sequence disclosed in the international application, the y examination was carried out on the basis of the sequence listing:
		contained in the int	ternational application in written form.
		filed together with t	the international application in computer readable form.
		furnished subsequ	ently to this Authority in written form.
		furnished subsequ	ently to this Authority in computer readable form.
			t the subsequently furnished written sequence listing does not go beyond the disclosure in oplication as filed has been furnished.
		The statement that listing has been full	t the information recorded in computer readable form is identical to the written sequence rnished.
4.	The	amendments have	resulted in the cancellation of:
		the description,	pages:
		the claims,	Nos.:
		the drawings,	sheets:
5.			en established as if (some of) the amendments had not been made, since they have been beyond the disclosure as filed (Rule 70.2(c)):

INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

International application No. PCT/US00/00794

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

- 6. Additional observations, if necessary:
- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Inventive step (IS)

Yes:

Claims 1 - 11

No:

Yes: Claims

No:

Claims 1 - 11

Claims

Industrial applicability (IA)

Yes:

Claims 1 - 11

No:

Claims

- 2. Citations and explanations see separate sheet
- VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted: see separate sheet

International application No. PCT/US00/00794

EXAMINATION REPORT - SEPARATE SHEET

Re Item V

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The following documents cited are:

D1: WO9806808A (THE PROCTER & GAMBLE CO.) 19 February 1998 (1998-02-19)

D2: WO9839403A (THE PROCTER & GAMBLE CO.) 11 September 1998 (1998-09-11)

D3: WO9739091A (THE PROCTER & GAMBLE CO.) 23 October 1997 (1997-10-23)

Novelty:

The subject matter of the independent claim 1 is novel since the combination of features expressed in this claim has not been disclosed in the cited prior art. The midchain branched anionic surfactant has been previously disclosed in as much detail and also has the use of pectate lyase enzymes in surfactant compositions, but not together in combination in the same composition.

Therefore the subsequent dependent claims are also novel.

The independent claim 11 is also novel since the composition used in this method is novel.

Therefore claims 1 - 11 are novel according to Article 33(2) of the PCT.

Inventive Step:

Regarding the presence of an inventive step for the above claims, using the 'problem - solution' approach, the technical problem has been formulated as follows: "How to provide a superior cleaning composition that can effectively remove plant based soils and body soils as well as greasy stains".

The closest prior art has been taken to be document D1 since this document discloses laundry and hard surface cleaning compositions that also uses the synergistic effect of having both an anionic surfactant and an enzyme in the cleaning composition so as to

improve the removal of stains, particularly food and other organic based soils, please see D1: description, page 1 (paragraph 3), and page 4 (paragraph 3).

Therefore the combination of a good detersive surfactant with an enzyme is known and so the application therefore discloses an alternative composition that achieves the above effects.

The remaining prior art documents D2 and D3 also disclose cleaning compositions that contain both enzymes and surfactants in the same composition in order to increase the detergency for the effective removal of greasy stains, and the enzymes help remove the plant based stains. Document D3 covers the use of the surfactants given in claim 1 of the application (see D3: description, page 11 (3rd paragraph) - page 12.). Also suggested in document D3 is the use of enzymes (see D3: description, page 48) to increase the removal of protein- and carbohydrate- based stains from substrates, although the specific use of pectate lyases is not given.

It was thus obvious for a skilled man to use in D1 surfactants like those used in the present application which were known and commercially available, instead of the specific surfactants used in that document. Therefore there is no inventiveness in using these combinations with pectate lyase. Moreover, it is unlikely that a synergistic effect, if present, is expressed in the entire scope of the claim with any of the hundreds of different surfactants covered by the claim.

Therefore the subject matter of the claims 1 - 11 are not inventive according to Article 33(3) of the PCT.

Re Item VII

Certain defects in the international application

The phrase "... herein incorporated by reference" as used in the description on page 56 (line 23) is an expression not to be used (Rule 9.1(iv) of the PCT, Guidelines PCT/GL/3 III, 4.3a).

Contrary to the requirements of Rule 5.1(a)(ii) of the PCT, the relevant background art

INTERNATIONAL PRELIMINARY

International application No. PCT/US00/00794

EXAMINATION REPORT - SEPARATE SHEET

disclosed in document D1 and D2 is not mentioned in the description, nor are these documents identified therein.

The independent claim 1 is not in the two-part form in accordance with Rule 6.3(b) of the PCT, which in the present case would be appropriate, with those features known in combination with the prior art document D1 being placed in the preamble (Rule 6.3(b)(i) PCT) and with the remaining features being included in the characterising part (Rule 6.3(b)(ii) PCT).

Reference has been made to certain non pre-published documents in the description, page 2 (lines 28 - 29) (see the guidelines, PCT/GL/C II, 4.18).

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
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CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	SG	Singapore		



INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

CM2000XM/JB		of Transmittal of International Search Report 220) as well as, where applicable, Item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 00/00794	13/01/2000	14/01/1999
Applicant THE PROCTER & GAMBLE CO	OMPANY et al.	
according to Article 18. A copy is beli	been prepared by this International Searching Aut ng transmitted to the International Bureau.	thority and is transmitted to the applicant
<u> </u>	sists of a total of3sheets. In this is a copy of each prior art document cited in this	s report.
	, the international search was carried out on the ba t, unless otherwise indicated under this item.	asis of the international application in the
the International seal Authority (Rule 23.1(rch was carried out on the basis of a translation of b)).	the international application furnished to this
was carried out on the basis contained in the inter	te and/or amino acid sequence disclosed in the it of the sequence listing: mational application in written form. e international application in computer readable for	
l 🗏 Č	ntly to this Authority in written form.	
· =	ntly to this Authority in computer readble form.	
the statement that th	e subsequently furnished written sequence listing of the sequence is ting of the sequence is the seque	does not go beyond the disclosure in the
1 — "		is identical to the written sequence listing has been
	e found unsearchable (See Box I). s lacking (see Box II).	
4. With regard to the title,		
1 😾 ''	as submitted by the applicant.	
		SE AND A SPECIFIC SURFACTANT SYS
5. With regard to the abstract,		
X the text is approved	as submitted by the applicant. tablished, according to Rule 38.2(b), by this Author	rity as it appears in Box III. The applicant may.
the text has been es	m the date of malling of this intermedianal accords to	want and with a summarable to the Anthony
the text has been es within one month fro	m the date of mailing of this international search re	eport, submit comments to this Authority.
the text has been es within one month fro 6. The figure of the drawings to be	published with the abstract is Figure No.	
the text has been es within one month fro 6. The figure of the drawings to be as suggested by the	published with the abstract is Figure No.	None of the figures.
4. With regard to the title, the text is approved X the text has been es DETERGENT COMPOSIT: TEM 5. With regard to the abstract,	as submitted by the applicant. tablished by this Authority to read as follows: IONS COMPRISING A PECTATE LYAS as submitted by the applicant. tablished, according to Rule 38.2(b), by this Author	rity as it appears in Box III. The applicant may,

INTERNATIONAL SEARCH REPORT

int Ational Application No PCT/US 00/00794

A. CLASSIFICATION OF SUBJECT MATTER TPC 7 C11D3/386 C11D1/02

C11D1/75

C11D1/83

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

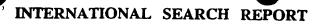
Minimum documentation searched (classification system followed by classification symbols) $IPC \ 7 \ C11D$

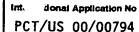
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
Х	WO 98 06808 A (THE PROCTER & GAMBLE CO.) 19 February 1998 (1998-02-19)	1,5-7,10
Y	page 4 -page 6 page 9, paragraph 2 page 41 -page 42 page 32 -page 35 claims 1-3,12-14; examples 14,19	1-11
x	WO 98 39403 A (THE PROCTER & GAMBLE CO.) 11 September 1998 (1998-09-11)	1,5-7,10
Y	page 6, line 25 - line 36 page 26, line 5 -page 27, line 3 page 18, line 1 -page 19, line 35 claims 1,6,9-11; examples 19,20	1-11
	-/	

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than the priority date claimed 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
4 May 2000	24/05/2000
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL ~ 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Serbetsoglou, A





	PCT/US 00/00794						
C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT							
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.					
Y	WO 97 39089 A (THE PROCTER & GAMBLE CO.) 23 October 1997 (1997-10-23) page 3, line 31 -page 22, line 35 page 50, line 28 - line 32 page 43, line 1 - line 37 claims 1-9	1-11					
	WO 97 39091 A (THE PROCTER & GAMBLE CO.) 23 October 1997 (1997-10-23) cited in the application claims 1-4 page 48 -page 53 page 68 -page 69	1-11					



Information on patent family members

int tional Application No PCT/US 00/00794

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INTERNATIONAL SEARCH REPORT



Information on patent family members

itional Application No PCT/US 00/00794

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